WHITE LIGHT EMITTING ORGANIC ELECTROLUMINESCENT DEVICE AND METHOD FOR FABRICATING THE SAME

ABSTRACT

The present invention discloses a white light emitting organic electroluminescent (EL) device and a method for fabricating the same. The device comprises: a substrate; an anode formed on the substrate; at least one hole transporting layer formed on the anode; at least one luminescent layer (DPVBi) formed on the hole transporting layer, wherein a first dopant (DCM_2) is doped into the luminescent layer; at least one electron transporting layer formed on the luminescent layer, wherein a second dopant (C_6) is doped into the electron transporting layer; and a cathode formed on the electron transporting layer; wherein a first light (red) is emitted by the first dopant, a second light (green) is emitted by the second dopant, and a third light (blue) is emitted by the luminescent layer when the device is applied with a bias voltage.